

Singers Visit Germany

Choral Society Big Hit On Tour

—M.I.T. News Service

The Choral Society stormed the bastions of great music in Germany this summer, and ovations were almost universal. There were also some catcalls and the sixty-two singers are still laughing about this.

According to Billy H. Burdine, president of the Society, the one time during the twenty-one day tour when the audience did not respond to a concert with unanimous acclaim was at the Festival of Contemporary Music at Darmstadt, which happens to be the location of a summer school of extreme musical modernists.

Now Stravinsky is generally regarded as about as modern as any composer. His "Mass", which the MIT singers presented at Darmstadt, was written only eight years ago. But a few young composers and students in the audience—members of the extreme 12-tone school of modern composition and in violent disagreement with Stravinsky—began clapping and whistling as soon as the "Mass" had been concluded.

The rest of the audience and the Darmstadt press were very indignant about this discourteous demonstration. The touring group from MIT thought it was funny.

But to most Germans, to whom Haydn and Mozart are almost sacred, the Choral Society sang Mozart and Haydn, as well as Stravinsky and

Honegger, with great musicianship. The "Mozart All-Stars", as the MIT singers were named by student members of the Darmstadt Orchestra (proud of their American lingo), gave six formal concerts: in Frankfurt, Weikersheim, Darmstadt, and Bad Mergentheim, and in the old university towns of Heidelberg and Marburg.

The performances were an unqualified success. And even rehearsals drew a daily quota of German youngsters, who slipped into university music halls and medieval churches to listen—wide-eyed and silent—to the American visitors.

The concerts were conducted by Klaus Liepmann, professor and director of music at MIT. In addition to members of the Choral Society (freshman coeds and professors included), there were five soloists, all of whom were received enthusiastically at concerts and in the German press: Helen Boatwright, soprano, Margaret Tobias, alto, Donald Sullivan and David Ashton, tenors, and Paul Matthen, bass.

MIT's musical offerings on the tour consisted of four major choral works: Haydn's St. Teresa Mass, the Mozart Requiem, Honegger's King David, and Stravinsky's Mass. (On one less formal occasion they were called upon for the songs of Stephen Foster.)

(Continued on page 4)

Fulbright, Ford Internat. Grants Announced For This School Year

Opportunities for approximately 900 Americans to undertake graduate study or research abroad during the 1957-58 academic year under the terms of the Fulbright Act are available this year in Australia, Austria, Belgium and Luxembourg, Burma, Chile, Denmark, Finland, France, Germany, Greece, India, Italy, Japan, Netherlands, New Zealand, Norway, Philippines, and the United Kingdom. Comparable awards under the Buenos Aires Convention are available for Bolivia, Brazil, Chile, Columbia, Costa Rica, Cuba, Dominican Republic, Guatemala, Haiti, Honduras, Mexico, Nicaragua, Panama, Paraguay, Peru, and Venezuela.

The Fulbright awards will enable students in all fields of graduate work and those with specialized research projects to study in foreign institutions and universities under renowned professors and specialists.

(Continued on page 4)

Grants are made for one academic year and generally include round trip transportation, tuition, a living allowance and a small amount for necessary books and equipment. Supplementary aid for married students is available in the fields of metallurgy, chemistry, physics, and mathematics.

Interested Seniors and Graduate Students presently enrolled at MIT may request application forms from David A. Dudley, Room 3-108. The closing date for receipt of applications is October 19th.

MIT students who have received in the past seven years approximately one hundred Fulbright awards include: Bernard Borie, Jr., Paris; Amar Bose, India; Edward Hopstetter, Germany; Robert Hoge, United Kingdom; Kenneth Jordan, Paris; Antony Merz, Paris; Kenneth Oelfke,

(Continued on page 4)

Summer Sees J. T. Rule Made Dean, E. F. Bowditch New Dorm Advisor

Two major changes in the MIT administration have been made during the past summer: E. Francis Bowditch, formerly Dean of Students, became special advisor to the President in development of a new \$7,000,000 dormitory program and John T. Rule, professor of engineering graphics, was named to succeed Mr. Bowditch as Dean of Students.

The dormitory program is to be undertaken as the result of an extensive study by the Committee on Student Housing, headed by Edwin D. Ryer, an alumnus of the Institute and member of the corporation. Dean Bowditch was a member of this committee.

Excerpts of the Ryer Report will be included in Friday's issue of THE TECH.

Dean Bowditch participated actively in the work of the Ryer Committee, President Killian said. "It was his insistence on the importance of a long-term plan that led to the appointment of the committee. He is admirably qualified to undertake this new responsibility."

Professor Rule comes to the deanship from a position as head of the Section on Graphics and Head of the MIT course in General Science, General Engineering and Science Teaching. He has been on the MIT faculty since 1936.

A native of St. Louis, Professor Rule was graduated from MIT in 1921 and then attended Harvard University. He was a consulting engineer in St. Louis for several years

Beaver Key, Q Club Install Freshman Counseling Program

Friday the Class of 1960 received preliminary instructions concerning the Beaver Key, Quadrangle Club, Freshman counseling program. Acting upon a suggestion from Mr. Richard Balch, Director of Athletics, H. Richard Blieden, President of the Key, along with the '56 and '57 Key members has established an orientation program in which each Freshman may, if he wishes, seek advice from a "big brother" outside of his own living group. Each big brother would be chosen on the basis of mutual interest with a freshman.

The Freshmen have already been asked to fill out cards on which they expressed their extra curricular activity interests, and the times at which they will be available to meet with a Beaver Key or Quadrangle Club member. Over 500 of these cards have already been returned to the Athletic Association office where the meeting of Freshmen and upperclassmen will take place, and Blieden strongly urges that those who have not yet filled them out, do so immediately, and return them to the Athletic Office in Walker Memorial as soon as possible.

The initial program of counseling will last for only several weeks, but it is planned that the "big brother" should get together with the Freshmen he interviews several times during the year to discuss both the Freshman's problems and progress.



John T. Rule, newly appointed successor to E. Francis Bowditch as Dean of Students.

and entered teaching as head of the science and mathematics department at the Taylor School in St. Louis.

Professor Rule is widely known for his research and development in various phases of three-dimensional vision, including stereoscopic drawings, photography, and motion pictures. During World War II he devoted most of his time to war research with the Polaroid Corporation and was in charge of the development of the Mark I machine gun trainer for the United States Navy.

Division Of Sponsored Research Established, Replacing DIC, DDL

A new Division of Sponsored Research has been established at the Massachusetts Institute of Technology, Vice Admiral Edward L. Cochrane, Vice President for Industrial and Governmental Relations, announced today.

The new division takes the place of both the Division of Industrial Cooperation and the Division of Defense Laboratories, which now cease to exist. It establishes unified administrative policies for all research work at MIT.

Research work at MIT is largely sponsored either by private enterprise or by governmental agencies, such as the Department of Defense, the Atomic Energy Commission, the National Science Foundation or the National Institutes of Health. Privately sponsored research and a substantial proportion of the government sponsored research other than the urgent defense work performed for the Department of Defense is conducted in campus laboratories. The administrative services for this work have been provided by DIC but will now be furnished by DSR.

The defense work done for the Department of Defense, on the other hand, is largely conducted in defense laboratories and is generally independent of academic departments. Because of the urgency of such work, the personnel involved are devoted solely to its effective accomplishment. The new Division of Sponsored Research had now taken over policy guidance and general administration for such research, formerly provided by the Division of Defense Laboratories.

Some of the functions of this division have been delegated directly to the defense laboratories. Dr. F. Leroy Foster, who was di-

He was also associated with other research projects, chiefly with the Bureau of Ordnance. He was chairman of the MIT Student-Faculty Committee for two years, a member of the Undergraduate Policy Committee for four years and has been educational consultant for the Committee on the College Student in the Group for the Advancement of Psychiatry for the past five years. He has been faculty Marshal at commencement the last six years.

Professor Rule is a member of the American Society for the Advancement of Science, American Association of University Professors, the Optical Society of America, Sigma Xi, Theta Chi, and St. Botolph Club.

Mr. Bowditch was appointed Dean of Students in 1951, coming from the headmastership of Lake Forest Academy in Illinois. He was graduated from Milton Academy in 1931 and from Harvard University in 1935. He then taught Latin and English and coached football at Milton Academy, was assistant dean of freshmen at Harvard and headmaster of the Parks School in Indianapolis before going to Lake Forest Academy.

He is director of the Harvard Alumni Association, former chairman of the National Council of Independent Schools and a trustee of Milton Academy, Miss Hall's School, Shady Hill School and the Farm and Trades School.

Division Of Sponsored Research Established, Replacing DIC, DDL

rector of the Division of Industrial Cooperation, has been appointed director of the Division of Sponsored Research. An MIT alumnus and former member of the faculty, he was associate director of DIC succeeded the late Nathaniel McL. Sage as director and is nationally recognized in this field.

James M. West, who was an assistant in the DDL, has been made associate director of the DSR. He was graduated from Dartmouth College in the class of 1935 and formerly worked in research administration for the Department of Defense. Thomas W. Harrington, Jr., Harvard '50, has been appointed assistant to the director for personnel administration.

Henry W. Fitzpatrick, who was director of the DDL, has become assistant director for administration of the Lincoln Laboratory, the largest of the MIT defense laboratories, which is working on critically important problems of continental air defense. He is an alumnus of Georgetown University, School of Foreign Service.

APPOINTMENT

Dr. James M. Faulkner, Director of the Medical Department, has been appointed Adviser to Premedical Students succeeding Dr. Myles Maxfield who has gone to Brookhaven. Dr. Faulkner's long experience in medical education gives him an unusually fitting background for such an assignment. He is anxious to have all students who are considering a medical career come in and discuss their plans with him. Those who are applying for admission to medical school next year should see him before October first.



President and Mrs. James R. Killian along with newly appointed Dean of Students John T. Rule and Mrs. Rule at Sunday afternoon's Freshman tea. A large portion of the over 900 strong Class of '60 visited Walker Memorial to form a reportedly record crowd for the annual affair.

The Tech



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EDITORIALS

Brave New World

Summer 1956 saw the dawn of a Brave New World at the Institute. The administration has appointed a Director of Television, and even the most naive of freshman can envision a day when 10-250 will be a TV studio and inspired physicists will perform before cameras in its empty canyons while every student's eye will be glued to a screen and IBM machines will correct their work.

An ex-Military Policeman has been appointed Institute Director of Security and rumor has it that the Dean's Office and the ROTC Department are forming a secret police staff to ferret out subversives, destroyers of dormitory furniture, hazers and Hell Week enthusiasts. The News Service has assured us, however, that his work will be confined to classified research.

The Ryer Committee report is out and the Institute will soon be a Brave New World where every house is Baker House and even Walker and the Grad House will be modern. Tuition is up to an astronomical figure and more and more freshmen are sleeping in the astro-dome lounge of Walker waiting their chance.

Where it really counted, though, everything stayed the same. Registration lines were as long as ever. There was still not enough room on the salmon cards and the great Five Dollar Fine still threatens delinquents. The Institute can rest assured. The walls are as drab and freshmen still tremble at the thought of 8.01.

Welcome back.

To Sea With a Slipstick

Institute Committee and its insistent plea for the abolition of compulsory ROTC have finally been answered in the Institute's own inimitable fashion. Freshmen are no longer required to take Air Science II or Military Science II. They can now take Naval Science instead. A few of the campus wags have wondered whether drill for the new group will be held on the Charles but the whole thing was passed off as a stunt on the part of the rowing coaches to get more men out for crew.

On the more serious side, Naval ROTC is a welcome addition to the Institute program. The Navy adjunct has the top reputation of the reserve units and it is to be hoped that it will set an example for the others on campus. With Annapolis officers a regular fixture in the Naval Architecture Department the Navy should have little trouble in establishing its place on campus.

Welcome aboard.

Calendar Of Events

WEDNESDAY, SEPTEMBER 19

Concert Band. Rehearsal. **KRESGE AUDITORIUM**, 7:30 p.m.
Monthly Supper Meeting. Playreading of "The Solid Gold Cadillac," by Howard Teichmann and George S. Kaufman. Supper at the Faculty Club at 6:30 p.m.
FACULTY CLUB PENTHOUSE, 8:00 p.m.
Inter-Varsity Christian Fellowship. Meeting, with guest speaker Richard Anderson, member of "Navigators" (counseling team for Billy Graham), and president of the Boston University I.V.C.F.
ROOM 10-280, 7:00 p.m.

THURSDAY, SEPTEMBER 20

Graduate Student Organization. Graduate School Convocation. Dr. Julius A. Stratton, Chancellor. **KRESGE AUDITORIUM**, 4:00 p.m.
Physics Department. Colloquium: "Recent Work on the Flow of Liquid Helium II." Dr. K. Mendelsohn of Clarendon Laboratories, Oxford, England.
ROOM 6-120, 4:00 p.m.
Chamber Music Players. First meeting. String and wind players invited. Regular rehearsal time to be arranged. **KRESGE AUDITORIUM**, 5:00 p.m.
Glee Club. Rehearsal.

KRESGE AUDITORIUM, 5:00-6:15 p.m.
Architecture Department. Lecture: "Introduction to Environment"—An exploration of contemporary problems illustrated by an experimental technique of comparative visual representation. Dr. Nathan Shapira, Commonwealth Fellow.
LITTLE THEATRE, KRESGE AUDITORIUM, 8 p.m.

FRIDAY, SEPTEMBER 21

Mechanical Engineering Department. Seminar: "Present Status of the Aerothermopresser." Professor Alve J. Erickson. Coffee in Room 3-174 from 3:00-3:30 p.m. **ROOM 3-270**, 3:30 p.m.
Lecture Series Committee. Film (in Technicolor): "The Caine Mutiny," staring Humphrey Bogart. Admission: 30 cents.
KRESGE AUDITORIUM, 5:30, 7:30 and 9:45 p.m.
Catholic Club. Annual All-Tech Acquaintance Dance. Music by Hal Reeves and his orchestra. Admission: \$1.25.
MORSS HALL, Walker Memorial, 8:00 p.m.

MONDAY, SEPTEMBER 24

Brass Choir. Rehearsal. **KRESGE AUDITORIUM**, 5:00-6:00 p.m.

TUESDAY, SEPTEMBER 25

Metallurgy Department. Colloquium: "Solid Reactions." Professor Arvid Hedwall of the Chalmers Institute of Technology and Director of the Swedish Institute of Silicate Research. **ROOM 6-120**, 4 p.m.
Glee Club. Rehearsal.

KRESGE AUDITORIUM, 5:00-6:15 p.m.
Symphony Orchestra. Rehearsal.
KRESGE AUDITORIUM, 7:30 p.m.

WEDNESDAY, SEPTEMBER 26

Convocation. "The All-Institute Convention." **ROCKWELL CAGE**, 10:00-11:00 a.m.
Operations Research. Operations Research Seminars, to be held weekly, will begin with a series of talks on linear programming by Professor Dean N. Arden of the Electrical Engineering Department. Later, Dr. Herbert P. Galliher will present a series on queuing theory. Interested faculty and students are invited.
ROOM 2-239, 3:00 p.m.
Catholic Club. Meeting. Talk by Miss Dorothy Day, labor writer, and editor of the "Catholic Worker." Admission free.

HAYDEN LIBRARY LOUNGE, 5:00 p.m.
Concert Band. Rehearsal.

KRESGE AUDITORIUM, 7:30 p.m.

EXHIBITS

M.I.T. ON WGBH-TV, CHANNEL 2

M.I.T. Science Reporter. **Sept. 19 and 26, 8:00-8:30 p.m.**

RELIGIOUS SERVICES IN THE CHAPEL

Daily Services (except weekends):

Roman Catholic Mass 7:55 a.m.

Sunday Mass at 10:00 a.m.

Protestant Morning Service 8:35 a.m.

Sunday Service at 9:00 a.m.

Weekly Services:

Episcopal Holy Communion Wednesday at 5:10 p.m.

Vedanta Service Friday at 5:15 p.m.

Jewish Sabbath Service (Hillel) Friday at 7:30 p.m.

Christian Science Organization Tuesday at 5:15 p.m.

The chapel is open for private meditation from 7:00 a.m. to 11:00 p.m. every day.

CALENDAR OF EVENTS

The Calendar of Events is distributed to the staff through the Institute's mails each Wednesday, with announcements for the following eight days. Material for the Calendar of September 26 through October 3 is due in the editor's office, Room 3-339, not later than noon on Thursday, September 20.

The New York Times and the New York Herald-Tribune delivered to your door daily \$4.25; Sunday \$3.00; Daily and Sunday Delivery \$7.25.

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ANOTHER YEAR, ANOTHER DOLLAR

Today I begin the third year of writing this column for Philip Morris Cigarettes, and I am merry in my heart.

I am merry for several reasons. First, because I am being paid.

Not, let me hasten to state, that an emolument was necessary. "Sirs," I said a few days ago to the makers of Philip Morris, who underneath their dickeys are as friendly as pups and twice as cute, "Sirs," I said to this winsome assemblage, "there is no need to pay me for writing this column. If I can introduce America's college men and women to Philip Morris's natural tobacco goodness, if I can inaugurate them into the vast sodality of Philip Morris smokers and thus enhance their happiness, heighten their zest, upgrade their gusto, magnify their cheer, broaden their bliss, augment their glee, and increase their PQ—"

"PQ?" said the makers, looking at me askance.

"Pleasure Quotient," I explained.

"Ah!" said the makers, nodding their sweet, shaggy heads.

"If," I continued, "I can do these splendid things for the college population of America, there is no need for money, because I am more than amply repaid."

We wept then. I am not ashamed to say it. WE WEPT! I wish the wiseacres who say big business is cold and heartless could have been there that day. I wish they could have witnessed the deep, croaking sobs that racked the gathering, the great, shimmering tears that splashed on the boardroom table. We wept, every man-jack of us. The makers wept. The secretaries wept. I wept. My agent, Clyde Greedy, wept. We wept all.

"No, no!" cried one of the makers, whose name is Good Sam. "We insist on paying you."

"Oh, all right," I said.

Then we laughed. The gloom passed like a summer shower. We all laughed and chose up sides and played stoop-tag and had steaming mugs of cocoa and lit plump, firm, white cigarettes, brimming full of natural tobacco goodness. I mean Philip Morris, of corris!



Refreshed and exalted, we returned to the business at hand. "Now then," said one of the makers, whose name is Merry Andrew, "what will you write about in your column this year?"

"About students and teachers," I said. "About classes and cutting. About eds and coeds. About Greeks and independents. About the important issues that occupy the supple young minds of college America."

"Like what?" asked one of the makers, whose name is Tol'able David.

"Like how to finance a full social life without a revolver," I replied. "Like how to wear Bermuda shorts though your knees look like brain-coral. Like how to double-date in an MG."

"And will you," asked one of the makers, whose name is Peter-Sit-by-the-Fire, "from time to time say a pleasant word about Philip Morris Cigarettes, which are now available in two sizes—Regular in the familiar Snap-Open Pack, and Long Size in the new Crushproof Box?"

"Crazy kid!" I chuckled, pushing my fist gently against his jaw. "You know I will."

And we all shook hands—silently, firmly, manfully—and I left, dabbing at my eyes with my agent, and hurried to the nearest typewriter.

©Max Shulman, 1956

The makers of Philip Morris take pleasure in bringing you this uncensored, free-wheeling column each week during the school year—and also in bringing you today's new Philip Morris, packed with natural tobacco goodness, lip end to tip end.

TV Post To Ex-Popular Science Ed.; Security Post To Ex-FBI Man

Appointment of Volta Torrey, former editor of Popular Science Monthly, as director of television for MIT, was announced Thursday by Francis E. Wylie, director of public relations.

Mr. Torrey will have charge of MIT programs, such as "The Science Reporter", on WGBH-TV and other Institute activities in television, radio and motion pictures. Mr. Wylie recently succeeded Professor John E. Arnold as educational television coordinator for MIT.

Former president of the National Association of Science Writers and a member of the Aviation Writers Association, Mr. Torrey has written extensively for many national newspapers and magazines.

A native of Eddyville, Iowa, Mr. Torrey is a graduate of the University of Nebraska and did graduate work at the University of Chicago. He was a Nieman Fellow at Harvard University in 1929-40.

Mr. Torrey worked on several Nebraska newspapers while attending college and then was a copyreader on Scripps-Howard papers in Houston, Cleveland and Indianapolis. He served as assistant telegraph editor of The Chicago Tribune, night editor and Sunday editor of The Omaha World-Tribune, copyreader for The New York Herald-Tribune, news re-

view editor of The Associated Press and assistant managing editor of PM.

In 1945 Mr. Torrey went to Popular Science as an associate editor and became managing editor in 1946 and editor in 1951, serving in that capacity until recently.

The Institute announced simultaneously the appointment of Harvey Burstein as Security Officer.

Mr. Burstein comes to MIT with broad experience and thorough training in security work. He holds a bachelor of laws degree from Creighton University at Omaha, Neb., and served with the Federal Bureau of Investigation for six years before and after his war service. He had combat duty in the 9th Armored Division, and service in the Corps of Military Police of the United States Army. He has served as Chief, Division of Foreign and Domestic Investigations, Surveys, and Physical Security in the Department of State, and has recently been in private practice as a security consultant in Boston.

At MIT he will be involved in the problems of security for the classified research work being done for the Federal government, and also with the general problems of plant protection which are extensive in an institution as large as MIT.

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Rallies This Week

Fall Sports Teams Start Practice

FROSH SWIMMING

Freshman Field Day swimming will get under way this afternoon with a meeting in the Locker Room of Alumni Pool from 4 to 5. All freshmen, regardless of their experience are welcome to come, and those with classes at that hour should come over right at 5.

CREW

Freshmen interested in crew competition are invited to attend a meeting tomorrow at 5:15 at the Boat House, which is located on the Charles, about a mile towards Harvard. This meeting will include both lightweights and heavyweights, and will consist of short talks by the coaches following weigh-ins.

TRACK MEETING

All those interested in track or cross country competition at Tech are invited to a meeting Wednesday at 5 p.m. in the Little Theatre of Kresge Auditorium. In addition to a movie tracing the history of the mile run, there will be slides on track and talks by Coach Oscar Hedlund and Captains Pete Carberry of track and Dave Vaughn of cross-country. Freshmen who are interested in any form of track are especially urged to attend.

FROSH FOOTBALL

All freshmen interested in playing Field Day contact football are urged to attend a rally today in room 5-108 at 5:00 p.m. Coach Paul Ekberg has announced a schedule which includes games with Tabor and Thayer in addition to the sophomore game. Experience is no prerequisite and those interested should make every effort to attend.

SOPH FOOTBALL

Footballers interested in playing for the Class of '59 should make every effort to attend a meeting today in Team Room B in the cage at 5:15 p.m. Coach Bill Salmon wants to emphasize that those who were unable to play last year but are now interested are more than welcome. This year's schedule includes games against Lawrence, Andover, and the Freshmen.

TENNIS AND SQUASH

There will be a rally for all men desiring to compete in either tennis or squash this year, Thursday at 5 o'clock in the Athletic Association office in Walker Memorial. There are openings on both Varsity and Freshman level and all those who are at all interested should make every effort to attend.

SOCER RALLY

Positions are wide open for all those interested in either freshman or varsity soccer, all of whom are invited to attend a rally this afternoon from 5 to 6 in Room 3-270. Coaches Arne Arnesen and Ben Martin are especially desirous of seeing freshmen regardless of their experience or lack of it.

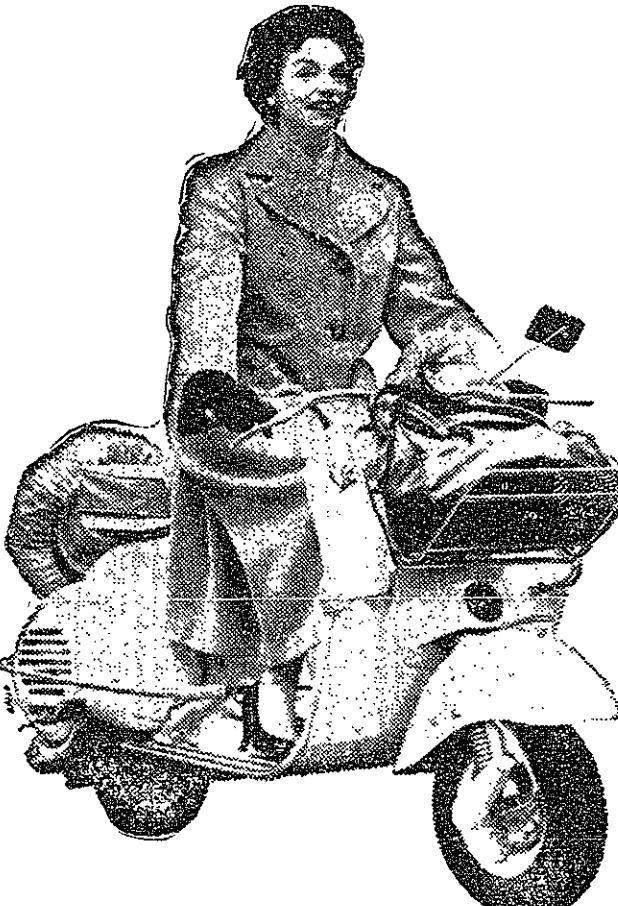
MIT OUTING CLUB

The MIT Outing Club is planning its first expedition of the year, a rock climbing expedition at the Quincy Quarries on Sunday, Sept. 23. Beginners are welcome as this is mainly an instruction trip. Bring sneakers and a lunch. Sign up at the Building 2 bulletin board. Meet at 9:00 a.m. on the front steps of Walker Memorial. Cost is 50 cents for transportation and 25 cents rope fee.

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ATTENTION: DORMITORY AND FRATERNITY REPRESENTATIVES WANTED

2 Springfield Grads Appointed To Coach Tennis, Frosh Sports

New and returning Tech students will find two new additions to MIT's expanding staff. Athletic Director Richard L. Balch recently announced that Crocker of Scituate and John H. Burke, Jr. of Morristown, New Jersey will begin their jobs this fall. Both men are graduates of Springfield College, Crocker '49 and Burke '50, and each has an extensive background in coaching and playing.

Crocker replaces Jack Summers, a veteran of 21 years on the MIT staff who is now retiring, as tennis and squash coach. In addition he will serve as director of the physical fitness testing program in conjunction with the medical department. Captain of the Springfield tennis team in his senior year, Crocker is now a ranking New England player as well as a Class A badminton player. In addition to his coaching jobs, the last of which was at Braintree High, he is also the tennis pro at The Stamford Yacht Club in Connecticut.

Taking over the helm in freshman basketball and baseball, Burke comes to MIT with five years of experience behind him. For the first four years he served at Wesleyan as Freshman baseball, basketball coach. Last year he served as Athletic Director and head basketball coach at Grosse Pointe University School in Michigan. In his college days at Springfield he won four varsity basketball letters and captained the 1950 quintet. In baseball, he won his letter as a hurler for three years and later pitched for the Hartford Chiefs. In his summer months he serves as golf pro at the Prouts Neck Country Club in Maine. Here at Tech, in addition to his two coaching jobs he will also handle several of the physical education classes.

In another coaching switch, Arne Arnesen and Ben Martin have switched jobs with Arne taking over Varsity soccer and Ben handling the freshmen.

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New \$7,000,000 Housing Program, Several Appointments Announced

In accordance with the Institute's policy of progress, there was announced this summer a new \$7,000,000 student housing program, along with many important appointments including those of Chancellor, special advisor to the President, and Dean of Students.

At the Alumni Day luncheon on June 11, Dr. Killian announced plans for an extensive program which provides for the construction of a student union building and a new dormitory, plus wide spread remodeling of other dormitories to fit the educational needs of the students.

In line with this policy of progress were many significant appointments. E. Francis Bowditch, former Dean of Students, will become special advisor to the President in the development of the new housing program. John D. Rule, professor of engineering graphics, has been appointed to succeed him as Dean of Students. The appointment of Dr. Julius A. Stratton, Vice President and Provost, to the newly established post of Chancellor of MIT was announced; as such, he will administer the Institute's academic program, and will act as deputy to the President. Appointed as Term Members to the Corporation were: Dr. James P. Baxter, III, President of Williams College; Dwight C. Arnold, President of Arnold-Copeland Co., Inc.; Edward J. Hanley, President of the Alleghany Ludium Steel Corp.; Augustus B. Kinzel, President of the Union Carbide and Carbon Research Laboratories, Inc.; and Theodore T. Miller, President of the Polymer Chemical Division of W. R. Grace & Company.

Other appointments were: Robin Boyd, noted Australian architect, to visiting professor; Stanislaw M. Ulam, a leading scientist from Los Alamos, to visiting professor in Mathematics; Dr. Jay W. Forrester to Prof. of Industrial Management; Dr. James G. Kelso to placement officer; Mrs. Evelyn B. Yates to associate placement officer, and Mrs. Mary D.

Howe to assistant placement officer; and Dr. Daniel Lerner to associate professor in economics and social science. Other appointments to associate professor are: Dr. William F. Bottiglia to the Department of Modern Languages, Dr. Ewan W. Fletcher to the Department of Electrical Engineering, Dr. Marvin E. Shaw to the School of Industrial Management, Dr. Francis E. Low to the Department of Physics, Lt. Cmdr. Joe W. Thornbury to the Department of Naval Architecture and Marine Engineering.

Those appointed as assistant professors are: Dean N. Arden to the Department of Electrical Engineering, William H. Cekler to the Department of Chemical Engineering, Dr. Philip M. Lewis to the Department of Electrical Engineering, Dr. John D. Linsley to the Department of Physics, Dr. Bernard Widrow to the Department of Electrical Engineering, Dr. Herbert H. Woodson to the Department of Electrical Engineering, Dr. John F. Cochran to the Department of Physics, Dr. Martin Dyk to the Department of Modern Languages, Dr. Uri Haber-Jchaim to the Department of Physics, Dr. Laurence W. Martin to the Department of Economics and Social Science, Thomas W. Mix to the Department of Chemical Engineering and Director of the Engineering Practice School at Oak Ridge, Dr. Walter E. Thirring to the Department of Physics, Dr. Roy Weinstein to the Department of Physics, Dr. Richard R. Dohell to the Department of Geophysics, A. Scheffer Lang to the Department of Civil and Sanitary Engineering, Dr. William H. Pinson to the Department of Geology and Geophysics, Dr. Hartley Rogers, Jr. to the Department of Mathematics, Capt. Edgar H. Schein to the School of Industrial Management, Dr. Isadore M. Singer to the Department of Mathematics, and Dr. Robert A. Clark to the Department of Mathematics. New instructors are Dr. Walter L. Baily, Jr. in Mathematics and James H. Brown in Metallurgy.

CHORAL

(Continued from page 1) ter, and with the help of Paul Wild, elderly German actor-singer, joined their German friends in rousing Americo-German renditions of Old Black Joe and Swanee River.)

For Professor Liepmann, the German tour had special significance: this was his first trip "home" since 1933, the year he came to the United States to continue a career, started in Germany, as professional violinist, conductor, and teacher.

"Where are you from, sir?" asked one German reporter after carefully listening to Professor Liepmann's fluent German. "Sounds to me as if you came from either Kiel or Hamburg." "Right," said Professor Liepmann, "I was born in Kiel and educated in Hamburg."

From castle tours to seminars, from banquets to solemn performances, from Stephen Foster to the exchange of technical notes on scientific developments in the two countries, the MIT Choral Society tour in Germany was eminently successful. And most important of all were the many new friendships which were made with students across the seas.

Bill Burdine sums it up this way: "For our American chorus and the German student orchestras to work together in a joint musical venture of this type was a wonderful demonstration of international goodwill and understanding, and seemed to all of us the essence of the entire effort."

Answers *Tauber Zeitung*, a newspaper covering the MIT-European Youth Orchestra finale in Bad Mergentheim, "Something not so obvious (as the merit of the performance itself) was the spontaneous and enthusiastic joining of people from all areas through the medium of music, a language we all understand . . . ; and the fact that a country of technical miracles and an Institute not specializing in art sends a non-professional choir which gave such an overwhelming performance.

"Perhaps from another country we, too, can learn that a rich life is not won by scientific and technical progress alone . . . Young musicians—in a real sense—do we thank for an enduring and impressive performance."

FULLBRIGHT AND FORD

(Continued from page 1) Paris; Allan Schell, Netherlands; Aaron Temkin, Germany; Richard Unruh, Denmark; who will be aboard this year ('56-'57).

The Ford Foundation has announced the continuation of its program of fellowships for training in foreign areas and international affairs for the academic year 1957-58.

The Foreign Area Training Fellowship Program, beginning its sixth year, is for study relating to Asia, the Near East, the Soviet Union, Eastern Europe, or Africa. Study and research may be taken in the United States or abroad. The purpose of the fellowship program is to train Americans to deal professionally with matters relating to these foreign areas.

The Foundation is also offering for the second year a few fellowships to persons who already have the Ph.D. degree, for special advanced training related to international relations. These are open to persons under 40 years of age who are now studying or teaching international relations and who wish to undertake training in another social science or in the history, culture and current problems of one or more of the above nations. Fellowships are also open to persons already trained in one of the other social sciences or related humanities or with specialized foreign area training.

Applications must be filed by December 15, 1956. Application forms and details of the fellowship program may be obtained from: The Secretary, The Ford Foundation, Attention Foreign Area and International Relations Training Fellowships, 477 Madison Avenue, New York 22, New York.

Intramural Football To Begin In 1 Week; 32 Teams Competing

A week from Saturday will see the opening of another year of intramural football. Once again, the teams will be broken down into four leagues with defending champions SAE, Phi Delt, Beta, and Phi Gam all back to defend their hard won titles. Competition will be in the double elimination Form as it was last year. When the league titles have been won it is expected that the four titlists will engage in a double-elimination round.

In an attempt to improve *The Tech* coverage of the touch football season, questionnaires have been sent to the Athletic Chairmen of all competing teams and it is hoped that these will be returned immediately. All teams that wish to be written up must have these reports in by this Sunday, either by mail or in person to Room 020 in Walker Memorial. Athletic Chairmen are urged to pick one man to act as a spotter for *The Tech* reporters who will cover every game.

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Ryer Report Released

Committee Recommends New Dorm, Union

A long-range student-housing plan was formally submitted to President Killian on June 8, 1956 after more than a year of preparation by a committee headed by Mr. Edwin D. Ryer of the MIT Corporation and consisting of members of the Administration, Faculty, and Student Body. Following are excerpts from this Ryer Report:

"GENERAL CONCLUSIONS: The best pattern for the future development of the Institute's residential system would have all undergraduate residences together with an adequate Student Center on the campus west of Massachusetts Avenue and would have a graduate center east of the main educational buildings. It would include facilities for married students off-campus and possibly on a cooperative basis with other educational institutions.

"The best progress in the development of such a residential system will be made if each residential unit is complete and self-contained in facilities for study, social contact, dining, and sleeping.

"SPECIFIC CONCLUSIONS: The following is the most desirable plan for building new undergraduate houses and for remodeling of existing undergraduate houses:

"A house should accommodate

200 men at most. Each unit should have its own dining room, main lounge, and a few rooms for use by the occupants as game rooms or whatever they may choose.

"B. There should be at most 40 men to a floor, principally in single rooms. There should be a few rooms for double occupancy.

"C. Each floor should have a com-

fortable floor lounge with simple kitchen facilities.

"D. There should be one Faculty Resident for each such ideal house, as well as non-resident Faculty Associates.

"... Housing for women students, at present inadequate, should be on or adjacent to the campus.

(Continued on page 3)

**LSC To Present HST
In Kresge Next Week**

In an effort to draw the election spirit right into both backyards and to make clearer to the students the issues of the campaign, the MIT Lecture Series Committee in conjunction with the Harvard Law School Forum, will present former president Harry S. Truman as a speaker in Kresge Auditorium on the evening of September twenty-eighth. Mr. Truman will discuss the 1956 election and will then be subjected to questioning by four professors, who have yet to be selected, from the two schools. Mr. Truman will then answer additional questions from the floor.

Mr. Truman will be followed in the weeks to come by a Republican leader of similar status, as yet unnamed, in a like program sponsored by the same two organizations.

Seating problems are now being considered and information regarding the distribution and sale of tickets will be released in the very near future.

This speech by Mr. Truman is not according to informed sources, part of a planned New England campaign on the part of the former president. In the very next week, however, Adlai Stevenson will "kick-off" his New England swing.

Of late, Mr. Truman has developed into a highly controversial personage, in the eyes of Democrats as well as Republicans. This, of course, has its origin in certain rather pungent statements concerning Mr. Stevenson which were made by Mr. Truman during the Democratic Convention, and also in seeming differences of opinion between the two on certain campaign topics.



Former President Harry S. Truman

**Readmission Policy Is Unchanged;
Committee Handles Applications**

There has been no change of policy concerning readmission of students disqualified from the Institute for academic reasons. John T. Rule, new Dean of Students, reports that the administrative viewpoint on such matters has not changed despite many rumors to the contrary. It was carefully pointed out, however, that decisions in this field are not handled by the administration, but rather by a faculty committee set up for the sole purpose of considering this type of readmissions case.

The procedure used in judging these cases is generally as follows. When a student falls below the minimum academic requirement for the first time, he cannot apply for readmission for at least one term following the one in which he was disqualified. During this intervening term, the student must

prove himself to be sincere about readmission; and must apply himself, either by attending another school, or by working. Dean Rule pointed out, "This interim period will, in most cases, help the student to see how important his education is, and how much it means to him."

At the end of this period, the disqualified student makes application for readmission, and from this point the case is individually handled by the Academic Regulations Committee, consisting of five faculty members and several ex-officio administration members. This committee carefully considers each individual case; making as sure as possible that the student involved has the ability to make the grade if he applies himself. Cases are seldom rejected for this reason; usually the student has simply loafed; or has taken on too many activities.

Last year, this committee headed by Prof. Svenson received 101 applications for readmission. Of these, 78 were accepted and the rest turned down. These statistics bear out Dean Rule's assurance that cases which have met all the requirements for the interim period are "pretty generally readmitted."

It must be stressed, however, that there are no cut and dried rules concerning decisions as important as those which are made by this faculty committee. Every case concerns an individual, thus every case is different. Dean Rule states, "This committee uses its best judgment in every decision. It is their power to refuse readmission for any reason which they deem significant."

Rumors that "policies" concerning readmission are being stiffened must certainly be unfounded, for in consideration of individual cases no rigid policies can be employed. It is rather the "best judgment" of the committee which may be changing; this group may be looking upon each case with a sterner eye than before, with the result that fewer cases are being judged worthy of readmittance.

**Fraternities Miss Rush Week Goal;
Several Continue Search For Frosh**

"Not so good on the whole, but there were some unusually sharp fellows." "Higher calibre than those of the last two years." Contradictory, yes, but these two statements were typical of those received from the fraternity rushing chairman this year; the opinions on the rushees seem to be either of these two extremes.

This year, of approximately 510 rushees, only 275 have pledged fraternities at this time, setting a count of 13 less than last year. However, Mike Brenner '57, President of IFC, says that about 25 more freshmen are expected to pledge within the next two weeks. At least one of the fraternities has another rushing smoker planned.

The reasons offered for the rather low number of pledges were many and varied. Though most fraternities blamed it on the smaller number of rushees, several felt that the trouble was due primarily to the fact that

most of the attention was centered on the small group of "hot" boys, while the others were left more or less to themselves. Other reasons given were that some of the fellows seemed anxious to live in the dorms, and that others were simply taking more time to pledge. None of the houses are hurting, however, from too many or too few pledges.

The Dekes now hold the record of those pledged with 17, while Delta Psi, Phi Beta Epsilon, and Delta Upsilon are low with 6 pledges apiece. The present official count for each house is as follows:

Alpha Epsilon Pi—13	Phi Kappa Sigma—9
Alpha Tau Omega—9	Phi Mu Delta—8
Beta Theta Pi—12	Phi Sigma Kappa—11
Chi Phi—11	Phi Lambda Phi—14
Delta Kappa Epsilon—17	Sigma Alpha Epsilon—10
Delta Psi—6	Sigma Alpha Mu—9
Delta Tau Delta—10	Sigma Chi—11
Delta Upsilon—6	Sigma Nu—10
Kappa Sigma—13	Sigma Phi Epsilon—12
Lambda Chi Alpha—14	TEP Club—8
Phi Beta Epsilon—6	Theta Chi—15
Phi Delta Theta—12	Theta Delta Chi—11
Phi Gamma Delta—9	Theta Xi—9
Phi Kappa—9	

The Tech

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EDITORIALS

much ado about nothing

Chewing-gum and baling wire can never replace money and planning and for this reason the recommendations of the Ryer Committee will come as a great disappointment to many. The Ryer group faced with a nearly impossible task has come up with a reasonably palatable—but somewhat confused—report. They propose to spend some four million odd dollars for remodeling the old system and building a new dormitory.

Acting on three basic ideas: the desirability of small (two hundred man) autonomous units, the need and value of house dining facilities, and an almost fanatic distaste for a "split campus", they suggest the remodeling of Burton House and the Graduate House as undergraduate dormitories providing joint kitchen facilities but separate dining rooms for two partitioned units. A new dormitory will be built at the rock-bottom cost of six thousand dollars per bed on the West Campus and East Campus will become a graduate center.

In addition to these, they recommend "simple kitchen facilities" to replace the present refrigerators and illegal hotplates. Throughout the report are scattered plugs for student government, fraternities, a student union and single rooms—all made with the same barefaced naivete and absence of logic.

Adamant and insistent in their distaste for a "split campus", they thoroughly ignore tradition and logic in their stand. The educational importance of the housing system is one of their basic points, but they seem unaware of the part played by tradition in the establishment of an all important sense of belonging—the mood which is vital to academic success and emotional adjustment. Equally forgotten is the essentially logical conflict between the concepts of an autonomous unit and a "split campus". Going their merry way, the Ryer group gives to the undergraduates (who would gladly do without it) the graduates beloved and traditional Grad House and to the graduates it bequeaths East Campus, the old and (to its residents) fond stamping ground of forty years of undergraduates.

With today's high building costs, it is doubtful whether the allotted two million four hundred thousand dollars for a new dorm—which represents the entire increase in beds and makes up for the losses in remodeling—will buy any more than a barracks with drab, monastic cells.

Not too far away is the prospect of a nearly dry dormitory system. Beer and ice cubes will be at a premium in the "simple kitchen facilities". With naive enthusiasm and clean-cut ardor, the Ryer group has provided ample facilities for "evening snacks" or "light food for a social gathering." The engineer of the future will either take his whiskey straight and his beer warm or become an abstainer. Alas for the days of gracious living.

Left unsolved still are the problems of the married and women students and the improvements made for male undergraduates are little more than makeshift.

Had the group set a higher goal, they might have been able to buy a far better system for not too much more. But it must be mentioned that this is essentially a stop gap. Unfortunately the Institute is built on stopgap planning and probably always will be. We fear the Ryer Committee has paved a hundred miles of the road to hell with their good intentions.

after hours

Next weekend offers plenty of social opportunity for Techmen. There will be a heavy schedule of acquaintance dances which will launch many social careers with a very enjoyable note.

The Catholic Club is sponsoring an All-Tech Acquaintance Dance in Morss Hall of Walker Memorial on Friday, the 21st. For \$1.25 students are invited to dance with their choice of 400 women from the Boston area. Tickets may be obtained in the lobby of Building 10 and will also be on sale at the door.

"The biggest acquaintance dance this place has seen" will follow this on Saturday night when Baker House presents a dance from 8-12 in their dining room. If previous records are equalled there will be two girls for every boy which makes it a very worthy enterprise. Refreshments will be served. Admission is \$.50 for Freshmen and \$1.00 for upper classmen.

profile

"Out of the frying pan . . ."



Upon request of President Killian a comparatively new arrival to the administrative faculty of the Institute has assumed the responsibility of Special Adviser to the President. Until now Mr. Bowditch had been Dean of Students.

His career began at Harvard as a pre-medical student, surprisingly enough. In Sophomore year the opportunity of working at the Shady Hill School in Cambridge directed his talents toward teaching, the field in which he has worked in some form or another ever since.

The teaching profession took him from Shady Hill to Milton Academy and soon afterward to the Freshmen Dean's office at Harvard. Following this second encounter with Harvard he took a position as Headmaster of the Park School for two years. His next ten years were spent as Headmaster of the Lake Forrest School. While still at Lake Forrest he received the request to fill the position of Dean of Students here at MIT, left vacant by the death of Dean Baker.

His newest position is no cut and dry administrative office, but rather one with undefined boundaries, centralized about the problems involved in the post-war influx of additional students. One of the first changes made following his appointment last July was the replacement of the office of Freshman Dean of Students by a system of faculty advisers.

The problems involved with the expansion of the MIT family created many conditions, a good number of which still lie unsolved. The purchase of Burton House and construction of Baker House left large unwieldy groups of students with housing and little else to develop individuality of the students. It is this last point that Dean Bowditch has made the objective of his office. As ex-officio member of the Ryer committee he energetically helped in sifting out the ideas and gathering the facts necessary for the committee to make its recommendations for developing the personality of the student.

After the tedious process of selecting, examining, and deciding upon recommendations, the Ryer report advised a new dorm system, Student Center, a Graduate Center, a Gymnasium, and new housing for women students. Dean Bowditch's service to this committee did not end with the report. His position as Special Adviser to the President is now to put into effect the measures of the report. In this position Dean Bowditch will continue to carry out his aims of reindividualizing the educational process and educating the spirit of man along with his intellect.

Despite his energetic and relentless manner of attacking the problems of his office, his colleagues have found him, in the words of Dean Speer "a swell guy to work with and to work for."

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MAY WE SUGGEST THAT YOU SAVE THIS AD

Undergraduates To Move To West Campus

(Continued from page 1)

"RECOMMENDATIONS: That the Institute undertake the development of a graduate center east of the main educational buildings."

"That an extensive program of improvement be undertaken in the present West Campus houses, in accord with the following plan:

"A. Burton House and Connor Hall should be separated into two independent units, each with its own dining room, lounge, and Faculty Residence. Thirty-six beds should be removed to eliminate over-crowding.

"B. The present Graduate House should be divided into two independent undergraduate houses through the building of a new common kitchen and a dining room in the east wing. First floor lounges should be adjacent to

each dining room, a floor lounge with simple kitchen facilities should be added to the east wing, and an elevator should be installed in the west wing.

"That the Institute construct an undergraduate dormitory for 400 men on the West Campus near the present undergraduate houses.

"That the Institute undertake the construction on the West Campus of a Student Center containing quarters for student activities, lounges for meetings and relaxation, game rooms, and concession space under Institute supervision for shops and a restaurant. The plans for this Center should be developed in cooperation with the student government.

"That the Institute continue its study of adequate housing and other facilities for the accommodation of women students and their activities. Consideration should be given to utilization of a section of the apartments at 100 Memorial Drive for this purpose.

"That, pending other developments, Westgate and Westgate West be maintained for married student residency."

ESTIMATE OF COST:

The cost estimates of the recommendations of the committee are as follows:

Baker House	\$45,000
Burton House	432,000
Graduate House	530,000
East Campus	500,000
Walker Memorial	150,000
New Undergraduate Dormitory	2,400,000
	\$4,057,000

The Student Center has been roughly estimated to cost

	\$3,000,000
	\$7,057,000

ESTIMATE OF UNDERGRADUATE SPACE CHANGES

	present	recommended
Baker House	350	384
Burton House	593	462
East Campus	620	0
Graduate House	0	405
New Dormitory	0	400
	1,563	1,601

50 Freshmen At Football Opening; Sophomores Field Only Eighteen

Briggs Field was turned into a virtual mid-western collegiate stadium last Wednesday, as close to fifty frosh footballers turned out for the opening day of practice. Biggest turnout in many years, the squad lacks a few men who signed up at the athletic midway, and its final size may reach five full elevens.

Coaches Paul Ekberg, John McCarty, Joe Timms, and John Irwin, though greatly enthused by the large turnout, emphasized that all positions are wide

open and likely to remain so throughout the season due to dropouts for scholastic reasons. The coaching staff has a big job ahead of itself as the opening game against Tabor is less than a month away. After the necessary conditioning period, the frosh will go right to work from their split-T formation. There is no lack of experienced players available, but past years have shown that some of the least known players often turn out to be the stars on field day.

Sophs Lack Depth

In contrast to the large frosh turnout, only eighteen spirited sophomores showed up to begin practice for the Class of '59. With many men lost from last year, there are still openings for anyone interested. Lack of depth is almost always the scourge of the sophs, but it must be remembered that last year's twenty man squad went through the season undefeated, mainly due to their high spirit.

Sailing Team Places In Pine Trophy Race

New England's All-Star Sailors kept the Pine Trophy from the Middle Atlantic's Sailing Team again this year. The New Englanders took four out of five races during last Saturday's competition at the Coast Guard Academy in New London.

Brown, Bowdoin, MIT, and host Coast Guard made up the victorious New England Squad. The Middle Atlantic League was represented by Princeton, Georgetown, and the Merchant Marine Academy.

Tech's sailing captain, Bill Stiles '57, skippered the 24 foot Raven class craft that represented Tech in these races. Bill Blakelock '58 crewed for MIT's boat which was instrumental in New England's capping the Trophy this year.

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"The wisest gals play hard to get!"

To seem remote and quite aloof

She sat six years upon the roof.

"It doesn't seem to work," she said

And so she clobbered them instead.

She shrugged, "I do the best I can

Unconscious or not, a man is a man!"



MORAL: Faint pleasure ain't pleasure!
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CASUAL WEAR

Swimming Workouts Open On Dry Land;

With a grunt and a groan the 1956-57 Varsity Swimming Squad hit the deck for what should prove to be Tech's all time greatest team. As was pointed out by captain Harry Duane in the opening meeting last Tuesday, the team has the potential to break all existing MIT records. The Splashmen have lost only one man from last year's squad, and are bolstered by 15 top Freshman Numeralmen. Wednesday merman turned gymnast as the squad started a 6 week training period of rigorous calisthenics. Forty men turned out for this pre-swimming program which was advocated by Tech's new Freshmen Swimming and Varsity Diving Coach George Batterman, formerly of Harvard and one time National diving champ. The exercises are designed to strengthen muscles which are important for pull, kick, and correct body position in the water. Entering the water late in October the mermen are planning to schedule double workouts, from 8 to 9 in the morning and 5 to 6 in the afternoon.

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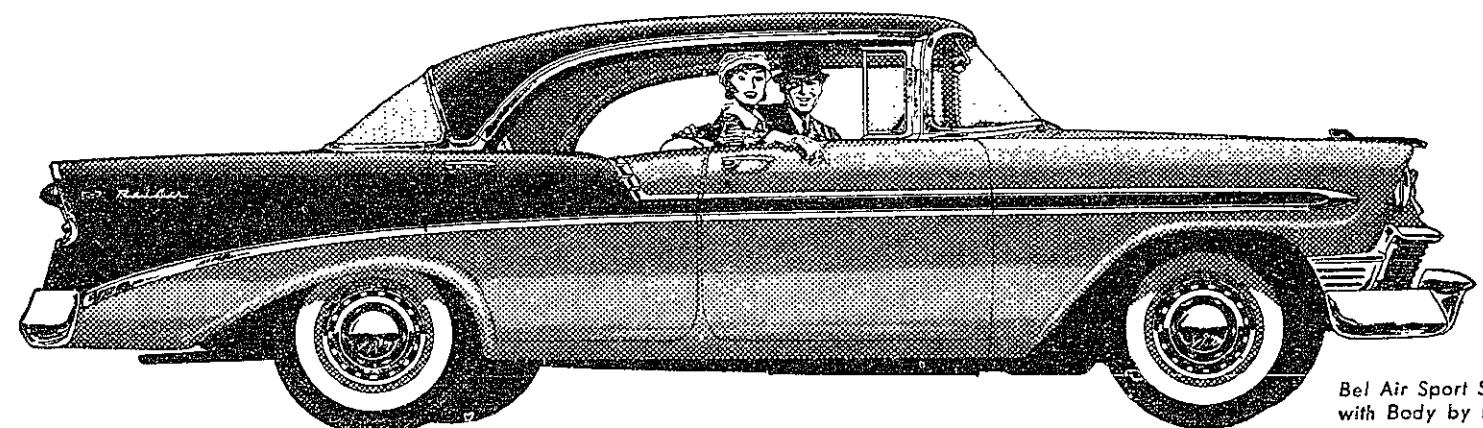
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